

R. BURGER.  
ORNAMENT.

APPLICATION FILED FEB. 21, 1905.

Fig. 2.

Fig. 1.

Fig. 3.

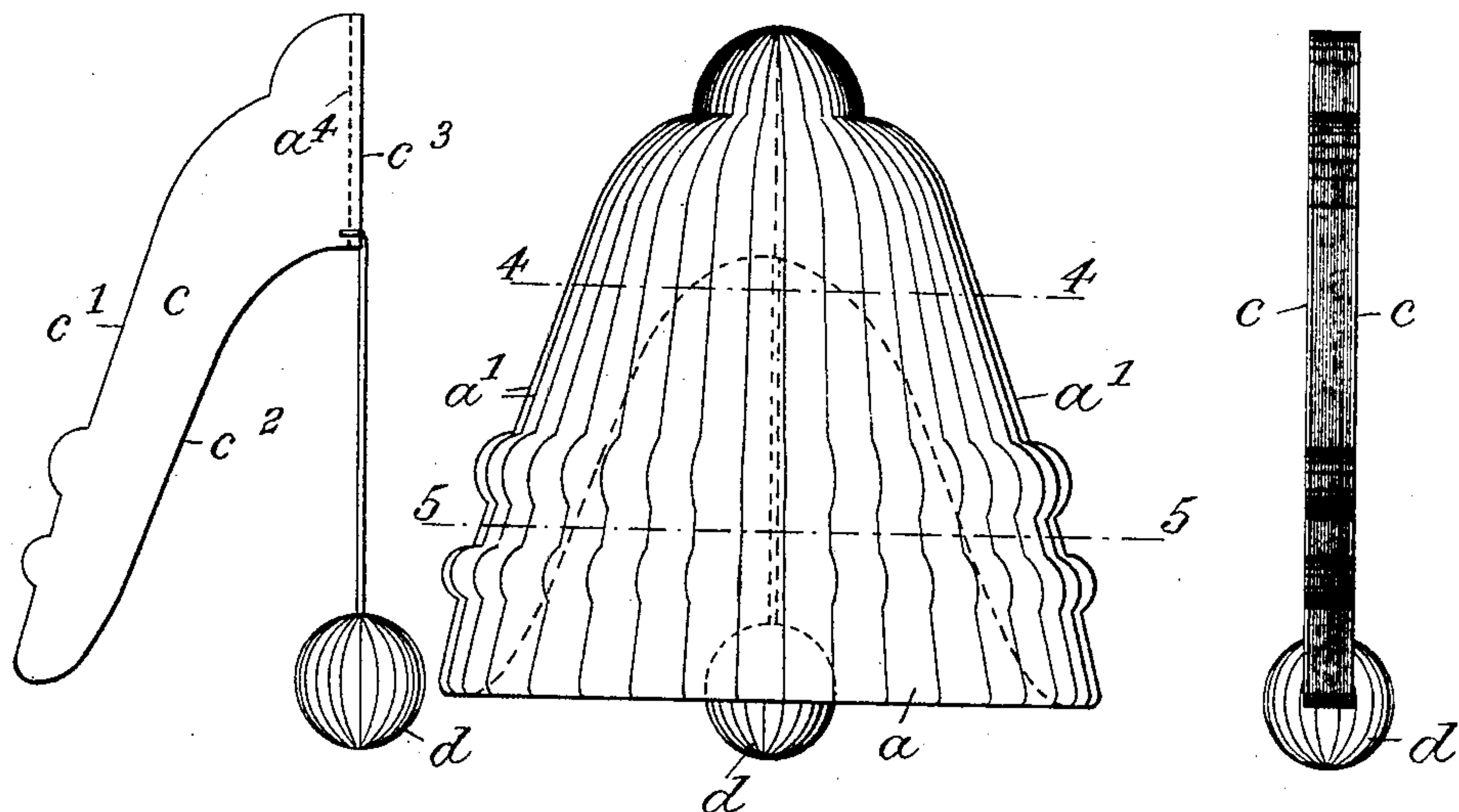


Fig. 4.

Fig. 5.

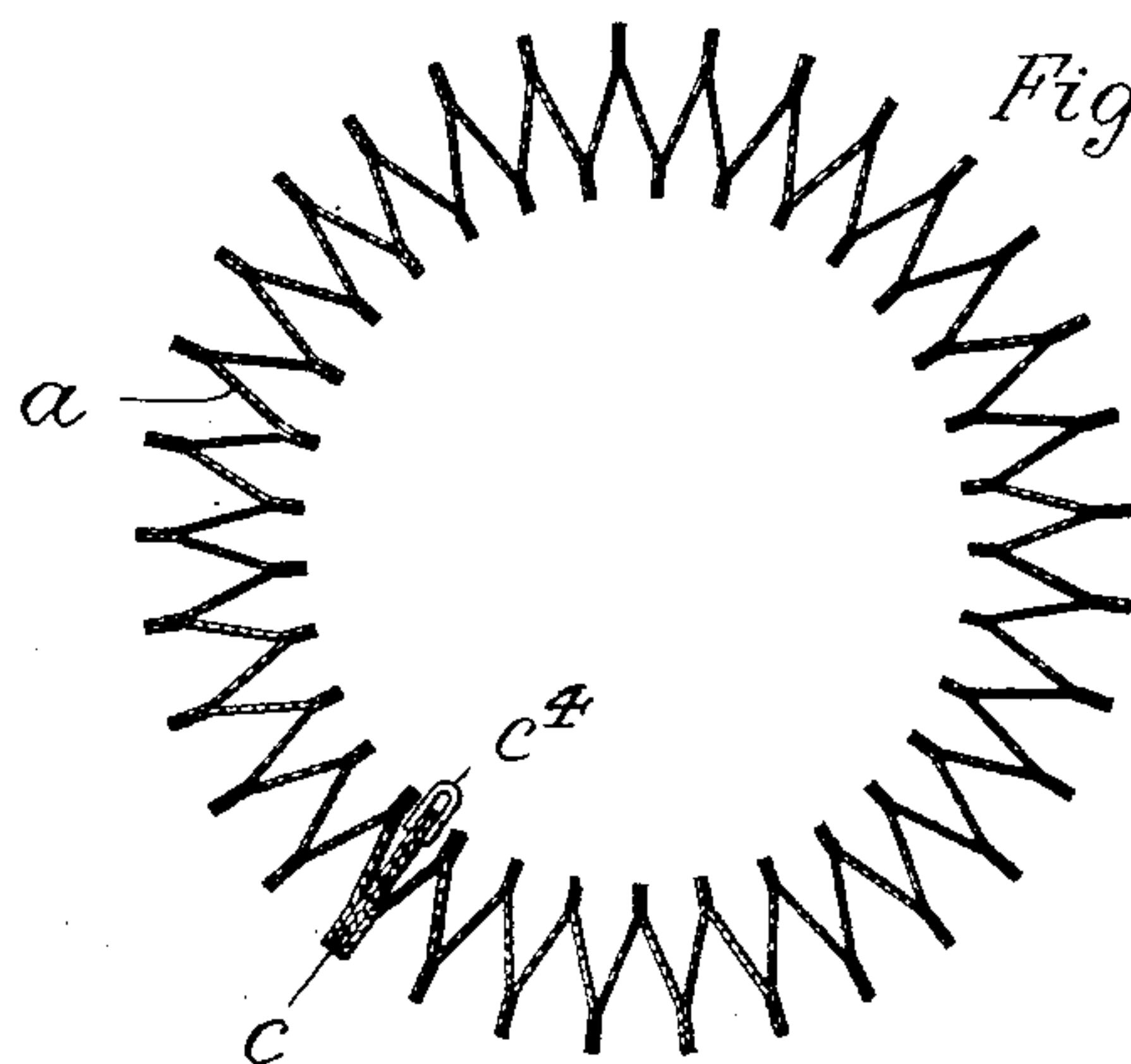
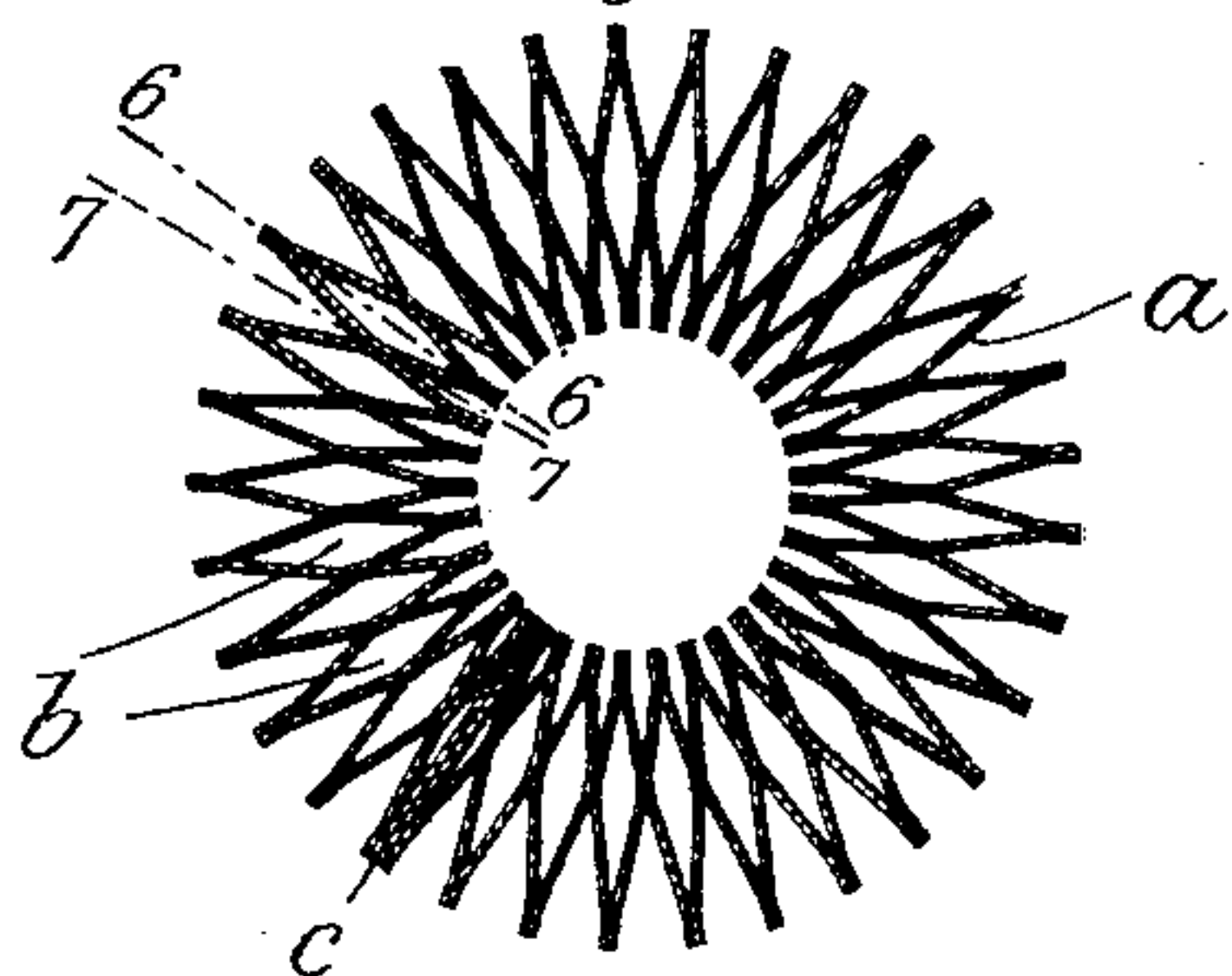
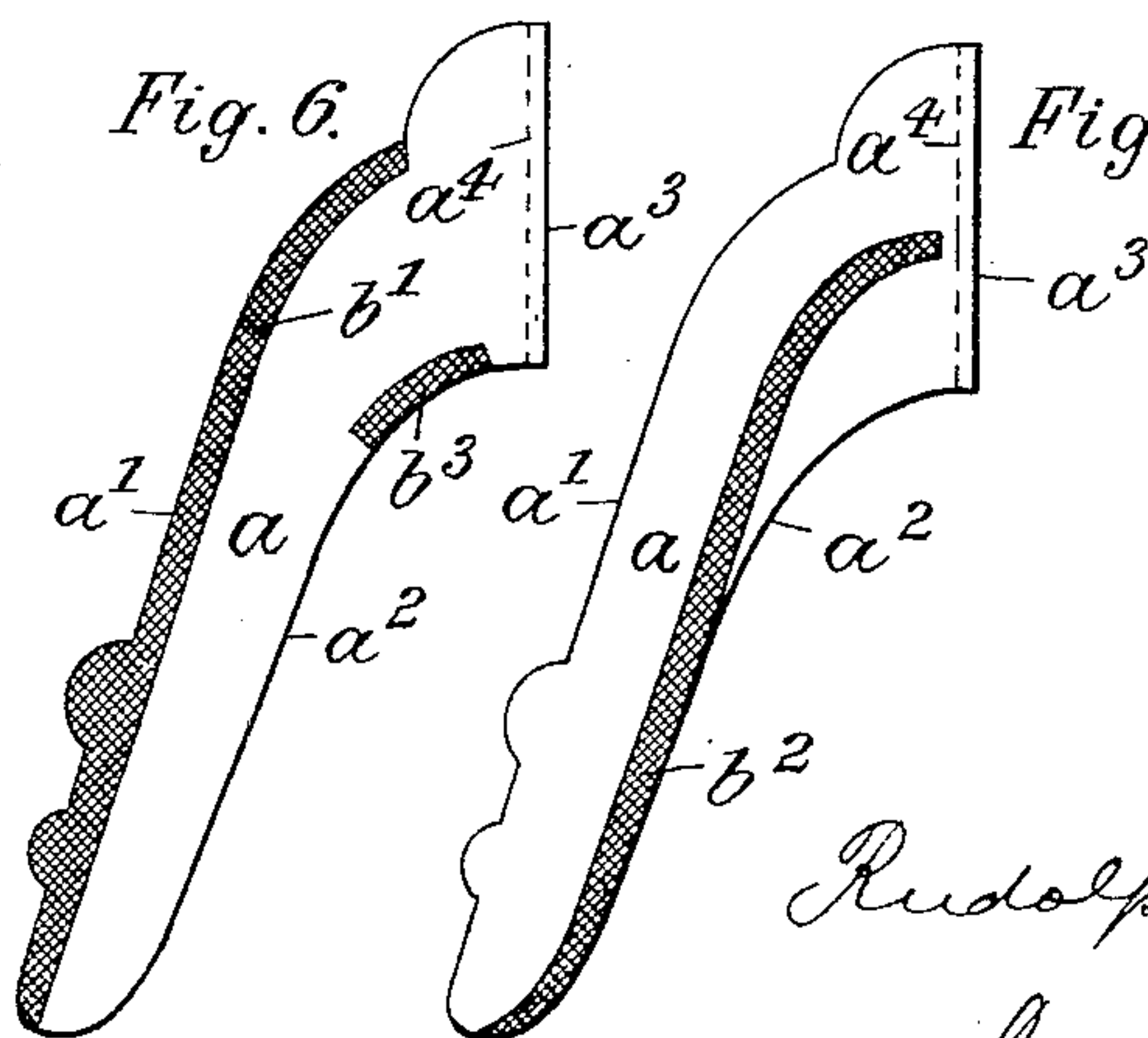


Fig. 6.

Fig. 7.



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# UNITED STATES PATENT OFFICE.

RUDOLPH BURGER, OF NEW YORK, N. Y.

## ORNAMENT.

No. 803,875.

Specification of Letters Patent.

Patented Nov. 7, 1905.

Application filed February 21, 1905. Serial No. 246,665.

*To all whom it may concern:*

Be it known that I, RUDOLPH BURGER, a citizen of the United States, residing at New York city, Richmond, county of Richmond, State of New York, have invented new and useful Improvements in Ornaments, of which the following is a specification.

This invention relates to an ornament which when unfolded assumes the shape of a corrugated bell or similar device and is intended for decorative purposes, lamp-shades, or kindred uses.

The ornament is of handsome appearance and of superior strength and stiffness.

In the accompanying drawings, Figure 1 is a side view of my improved ornament, showing it unfolded. Fig. 2 is a similar view showing it folded; Fig. 3, an end view of Fig. 2; Fig. 4, a cross-section on line 4 4, Fig. 1; Fig. 5, a similar section on line 5 5, Fig. 1; Fig. 6, a longitudinal section on line 6 6, Fig. 4; and Fig. 7, a similar section on line 7 7, Fig. 4.

The ornament is composed of a series of upright strips  $a$ , formed, preferably, of paper and all made alike in size and shape. The outer inclined edge  $a'$  of each strip  $a$  conforms in curvature to the contour of a bell or other object which the device is designed to represent, while the inclined inner edge  $a^2$  converges at its bottom toward the outer edge. From the top of the curved inner edge  $a^2$  extends a straight vertical edge  $a^3$  to the top of edge  $a'$ , so that the strip  $a$  forms essentially a triangle with two curved sides and one straight side. All the strips  $a$  are connected with each other by a line of stitching  $a^4$ , that extends along the edges  $a^3$  and constitutes a hinge upon which the strips may be folded. The strips  $a$  are further connected alternately along their inner contiguous edges and at their outer contiguous edges  $a' a^2$  by layers  $b' b^2$  of a suitable adhesive. The outer layer  $b'$  extends from the bottom of outer edge  $a'$  to near the top of such edge, Fig. 6. The inner layer  $b^2$  follows the inner edge  $a^2$  from the bottom upward for some distance and then diverges from such edge, Fig. 7. In addition to the two layers  $b' b^2$  a third adhesive layer  $b^3$  is formed near the top of edge  $a^2$  and between those two sides of strips  $a$  which are connected by the layer  $b'$ , Fig. 6.

The result of the construction described is that when the ornament is distended the strips  $a$  will diverge from top to bottom and will

readily assume the general curved shape of a bell or other flaring body desired. This body will, however, be provided with longitudinal corrugations extending from top to bottom and forming a zigzag line in cross-section, Fig. 5.

Intermediate the strips  $a$ , but only at the upper ends thereof, there are formed a series of cells  $b$ , which are closed along their outer and inner edges, but are open at the bottom and serve to strengthen and stiffen the structure, Fig. 4.

The two flanking-strips  $a$  are reinforced by pasteboard covers  $c$ , having edges  $c' c^2 c^3$ , that correspond to the edges  $a' a^2 a^3$  of strips  $a$ . The covers  $c$  when folded against each other may be connected by catches  $c^4$ , that hold the device in its open position, Fig. 5. By undoing the catches the article may be readily folded to assume the flat shape illustrated in Fig. 3.

If desired, a clapper  $d$  may be suspended from the top of the bell.

It will be seen that my improved ornament when unfolded forms a bell having an imperforate corrugated surface, so that when used as a lamp-shade it prevents a direct effusion of light. The article is of handsome appearance, readily foldable, and being hollow requires but a small quantity of paper in its construction.

What I claim is—

1. An ornament composed of a series of strips each having an upright edge along which the strips are foldably connected, an outer edge and an inner edge inclined to the upright edge, and means for connecting together the strips alternately along their outer and inner contiguous edges, substantially as specified.

2. An ornament composed of a series of strips each having an upright edge along which the strips are foldably connected, an outer edge and an inner edge inclined to the upright edge, and means for connecting together the strips along their outer edges and alternately along the top and bottom of their inner edges, substantially as specified.

Signed by me at New York city, Manhattan, New York, this 20th day of February, 1905.

RUDOLPH BURGER.

Witnesses:

WILLIAM SCHULZ,  
FRANK V. BRIESEN.